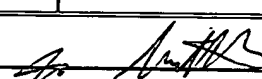
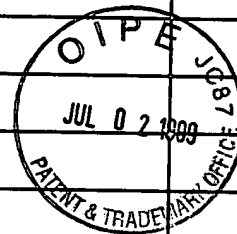
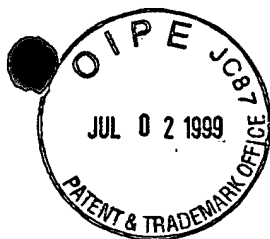


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		Applicant Phillip Dan Cook				
		Filing Date June 17, 1997		Group Not Yet Assigned		
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Examiner Initial		Document No.	Date	Name	Class	Subclass
AA		3,687,808	08/29/72	Merigan, Jr. et al	435	91.3
AB		4,908,307	03/13/90	Rodland et al	435	6
AC		5,013,830	05/07/91	Ohtsuka et al.	536	25.1
AD		5,134,066	07/28/92	Rogers et al.	435	91.3
AE		5,149,797	11/22/92	Pederson et al.	536	23.1
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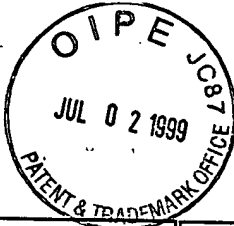


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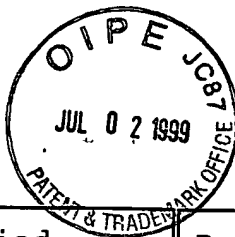
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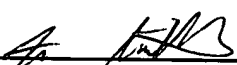
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	AI	39 15 462 A1	09/06/90	Germany	X	
	AJ	41 10 085	10/01/92	Germany	X	
	AK	0 260 032	03/16/88	EPO	X	
	AL	0 339 842	11/02/89	EPO		
	AM	WO 91/06556	05/16/91	PCT	X	
	AN	WO 91/15499	10/17/91	PCT	X	
	AO	^{92/07065} PCT/EP91/01811	30.04.92	PCT WO		
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	AU	WO 90/15814	12/27/90	PCT	X	
	AV	WO 86/05518	09/25/86	PCT	X	
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AX	Akashi et al., "New Aspects of Polymer Drugs", Adv. Polym. Sci., 1990, 97, 108-146		
AY	Beaton et. al., Chapter 5, "Synthesis of oligonucleotide phosphorodithioates", Oligonucleotides and Analogs, A Practical Approach, Eckstein, F., Ed., The Practical Approach Series, IRL Press, New York, 1991, 109		
AZ	Borer et al., "Stability of Ribonucleic Acid Double-Stranded Helices", J. Mol. Biol., 1974, 86, 843-853		
BA	Brill et al., "Synthesis of Deoxydinucleotide-Phosphorodithioates", J. Am. Chem. Soc., 1991, 113, 3972-3980		
BB	Buttrey et al., "Synthetic Analogues of Polynucleotides XIII, The Resolution of DL-β-(Thymin-1-YL)Alanine and Polymerisation of the β-(Thymin-1-YL) Alanines", Tetrahedron, 1975, 31, 73-75		
BC	Capen et al., "Complete Nucleotide Sequences of the T24 Human Bladder Carcinoma Oncogene and Its Normal Homologue", Nature, 1983, 302, 33-37		
BD	Cohen, "Oligodeoxynucleotides" Published 1989 by CRC Press, Inc., Boca Raton (FL) pages 1-255 (Note pages 16, 35, 36, 38, 55, 62, 66, 67, 79-82, 85)		
DE	Concise Encyclopedia Of Polymer Science And Engineering, J.I. Kroschwitz, Ed. John Wiley & Sons, 1990, 858-859		
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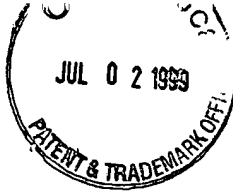


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BG	Dagle et al., "Physical Properties of Oligonucleotides Containing Phosphoramidate Modified Internucleoside Linkages", Nucl. Acids Res., 1991, 19, 1805-1810		
BH	Dagle et al., "Pathways of Degradation and Mechanism of Action of Antisense Oligonucleotides in Xenopus Laevis Embryos", Antisense Research and Development, 1990, 1, 11-20		
BI	De Koning et al., "Unconventional Nucleotide Analogues V. Derivatives of 6-(1-pyrimidinyl)-and 6-(9-purinyl)-2-aminocaproic acid", Recueil, 1971, 90, 874-884		
BJ	Demidov et al., "Sequence Selective Double Strand DNA Cleavage by Peptide Nucleic Acid (PNA) Targeting Using Nuclease S1", Nucl. Acids Res., 1993, 21(19), 2103-2107		
BK	Depto et al., "Regulated Expression of the Human Cytomegalovirus pp65 Gene. Octamer Sequence in the Promoter Is Required for Activation by Viral Gene Products," J. Virol., 1989, 63, 1232-1238		
BL	Doel et al., "The Synthesis of Peptides Containing Purine and Pyrimidine Derivatives of DL-Alanine", Tetrahedron, 1974, 30, 2755-2759		
BM	Doel et al., "An Approach to the Synthesis of Peptide Analogues of Oligonucleotides (Nucleopeptides)", Tetra. Lett., 1969, 27, 2285-2288		
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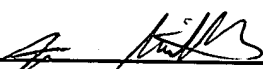


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L	BO	Eder et al., "Ribonuclease H from K562 Human Erythroleukemia Cells", <i>J. Biol. Chem.</i> , 1991, 266, 6472-6479	
	BP	Egholm, "Peptide Nucleic Acids Containing Adenine or Guanine Recognize Thymine and Cytosine in Complementary DNA Sequences", <i>J. Chem. Soc., Chem. Commun.</i>, 1993, 800-801	
	BQ	Egholm et al., "Peptide Nucleic Acids (PNA) Oligonucleotide Analogues with an Achiral Peptide backbone," <i>J. Am. Chem. Soc.</i>, 1992, 114, 1895-1897	
	BR	Englisch, U. and Gauss, D.H., "Chemically Modified Oligonucleotides as Probes and Inhibitors", <i>Angewandte Chemie, International Edition</i>, 1991, 30, 613-629	
	BS	Froehler et. al., "Oligodeoxynucleotides Containing C 5-Propyne Analogs of 2'-Deoxyuridine and 2'-Deoxycytidine," <i>Tetra. Lett.</i>, 1992, 33, 5307-5310	
X	BT	Greenberg, in <i>Current Protocols in Molecular Biology</i>, (F.M. Ausubel, R. Brent, R.E. Kingston, D.D. Moore, J.A. Smith, J.G. Seidman and K. Strahl, eds., John Wiley and Sons, NY *	
	BU	Hahn et al., "Molecular cloning and characterization of the HTLV-III virus associated with AIDS", <i>Nature</i>, 1984, 312, 166-169	
	BV	Hall and Brown, "Human N-ras: cDNA Cloning and Genes Structure", <i>Nucleic Acids Res.</i>, 1985, 13, 5255-5268	
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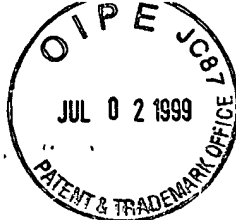
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Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-2508	Serial No. 08/877,317
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BY	Inaki et al., "Functionality and Applicability of Synthetic Nucleic Acid Analogs", In Current Topics in Polymer Science, Ottenbrite, Utracki, Inoue, Eds. Munich, New York: Hanser Publishers; New York: Distributed in the U.S.A. by Macmillan Pub. Co., 1987, 1, 80-100		
BZ	Inaki, "Synthetic Nucleic Analogs", Prog. Polym. Sci., 1992, 17, 515-570		
CA	Inoue et al., "Synthesis and properties of novel nucleic acid probes", Nuc. Acids Res. Symposium Series, 1985, 16, 165		
CB	Inoue et al., "Synthesis and Hybridization Studies on Two complementary NONA(2'-O-methyl)ribonucleotides" Nucl. Acids Res., 1987, 15, 6131-6148		
CC	Inoue et al., "Sequence-dependent hydrolysis of RNA using modified Oligonucleotide Splints and RNase H.", FEBS Lett., 1987, 215, 327-330		
CD	Kahn et al., "The c-K-ras Gene and Human Cancer (Review)", Anticancer Res., 1987, 7, 639-652		
CE	Kawasaki et al., "Uniformly modified 2'-Deoxy-2'fluoro Phosphorothioate Oligonucleotides as nuclease-Resistant Antisense Compounds with High Affinity and Specificity for RNA Targets," J. Med. Chem., 1993, 36, 831-841		
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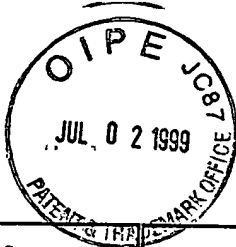
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	CF	Kawasaki et al., "Synthesis and Biophysical Studies of 2'-dR1B0-2'-F Modified Oligonucleotides", 1991, 1-9	
+	CG	Kingston, in Current Protocols in Molecular Biology, (F.M. Ausubel, R. Brent, R.E. Kingston, D.D. Moore, J.A. Smith, J.G. Seidman and K. Strahl, eds.), John Wiley and Sons, NY *	
+	CH	Lal et al., "Diphenylphosphoryl Azide A Novel Reagent for the Stereospecific Synthesis of Azides from Alcohols," Tetra. Lett., 1977, 23, 1977-1980.	
	CI	Lima et al., "Implication of RNA Structure on Antisense Oligonucleotide Hybridization Kinetics", Biochemistry, 1991, 31, 12055-12061	
	CJ	Lu et al., "Synthesis of Polyesters Containing Nucleic Acid Base Derivatives as Pending Side Chains", J. Polym. Sci., 1986, 24, 525-536	
	CK	McCurdy et al., "Deoxyoligonucleotides with Inverted Polarity: Synthesis and Use in Triple Helix Formation," Nucleosides and Nucleotides, 1991, 10, 287-290	
	CL	Miller and Ts'o, "A new approach to chemotherapy based on molecular biology and nucleic acid chemistry: Matagen (masking tape for gene expression)", Anti-Cancer Drug Design, 1987, 2, 117-128	
	CM	Miller et al., Annual Reports in Medicinal Chemistry 23, "Oligonucleotide Inhibitors of Gene Expression in Living Cells: New Opportunities in Drug Design", 1988, Ch. 30, 295-304	
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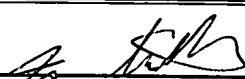


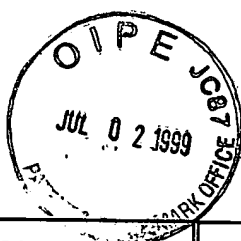
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CP	Nielsen et al., "Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine Substituted Polyamide," Science, 1991, 254, 1497-1500		
CQ	Nollet et al., "Unconventional Nucleotide Analogues-III, 4 (N₁ Pyrimidyl)-2-Aminobutyric Acids", Tetrahedron, 1986, 25, 5989-5994		
CR	Nollet et al., "Unconventional Nucleotide Analogues-II, Synthesis of the Adenyl Analogue of Willardiine", Tetrahedron, 1969, 25, 5983-5987		
CS	Nollet et al., "Unconventional Nucleotide Analogues-I, N₉-PurinyI α-Amino Acids", Tetrahedron, 1969, 25, 5971-5981		
CT	Nollet et al., "Michael Addition of 4-O-Ethyluracil. A Method for Specific N₁-Alkylation of Hydroxypyrimidines", Tetra. Lett., 1969, 53, 4605-4606		
CU	Oligonucleotides and Analogs, A Practical Approach, Eckstein, F., Ed., The Practical Approach Series, IRL Press, New York, 1991 *		
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_____	DH	Stawinski Jacek, et al., Tenth International Roundtable: Nucleosides, Nucleotides and Their Biological Evaluation, September 16-20, 1992, Abstracts of Papers, Abstract 80	
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_____	DL	Taparowsky et al., "Activation of the T24 Bladder Carcinoma Transforming Gene is Linked to a Single Amino Acid Change", Nature, 1982, 300, 762-765	
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DU	Stein et al., Science, 1993, 261, 1004-1012		
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